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**Sent:** Mon 11/5/2012 3:27:43 PM  
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[Back to Top](#)

[Environmental Impacts of Shale Development and Hydraulic Fracturing: Key Legal Issues and Future](#)

[Directions](#)

[State and Regional Regulatory Trends in Hydraulic Fracturing](#)

[Back to Top](#)

[L. Brun Hilbert, Jr., Ph.D., P.E.](#)

[Back to Top](#)

[George Jugovic, Jr.](#)

[R. Timothy McCrum](#)

[John D. Schell, Ph.D.](#)

[Back to Top](#)

[Back to Top](#)

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[Faculty](#)

[Program Schedule](#)

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[image005.gif](#)

[image006.jpg](#)

[image007.gif](#)

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[image009.gif](#)

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[image011.png](#)

[image012.jpg](#)

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o Live Webcasts

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- o Hardcopy Coursebooks
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- o DVD Video
- o MP3 Downloads
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- o Periodicals
- o Articles
- o Search Books
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- o Forms Library
- o Standing Orders
- o Author Guidelines
- o Reprint Permission
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- o Online Courses
- o Custom Online CLE Bundles
- o MP3 Downloads
- o Live Webcasts
- o MCLE Information

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- o Coursebooks and Papers
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Hydraulic Fracturing Science Update and Frontiers

Cosponsored by the Environmental Law Institute (ELI)

Thursday  
November 29, 2012  
12:30 - 2:00 pm Eastern  
Register: | Telephone Seminar | Audio Webcast | Group Rates

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#### Why You Should Attend?

Economical shale drilling is possible only because of technological breakthroughs. Opponents have raised various technical and scientific objections about the risks of using hydraulic fracturing. Because the science and technology of fracturing provides the backdrop for both sides of citizen suits as well as future policies, attorneys involved in these cases need to have a working knowledge of what may be the central evidence in dispute in order to adequately represent their client's interests.

[Back to Top](#)

#### What You Will Learn

This panel will review the leading edge of scientific investigations into and technological innovations for shale drilling, including:

Update on EPA's study on groundwater impacts of hydraulic fracturing

Results of EPA's recent field data from Pavillion, Wyoming and Dimock, Pennsylvania

Status of "no-water" and other fracturing and extraction technologies

Status of flowback and produced water treatment and disposal

Status of Green Completions, methane capture, and air quality

Science around seismic risks

## THE SERIES

This program is the second in a 5-part series, *Environmental Impacts of Shale Development and Hydraulic Fracturing: Key Legal Issues and Future Directions*, that offers an in-depth examination of the environmental law and policy issues facing companies, governments, activist groups, and citizens who are concerned about this critical area of our nation's energy infrastructure. Each program is taught by the nation's foremost experts, and will present a balance of perspectives on the legal and policy issues, as well as upcoming trends that may accelerate or slow the dramatic expansion in shale development in an environmentally responsible way. Note that you do not have to participate in the entire series to benefit from the information provided in each individual program. Part three of the series, *State and Regional Regulatory Trends in Hydraulic Fracturing*, will be on December 14.

[Back to Top](#)

Planning Chair

L. Brun Hilbert, Jr., Ph.D., P.E., Principal Engineer, Exponent, Menlo Park, California (moderator)

[Back to Top](#)

Faculty

George Jugovic, Jr., President & CEO, PennFuture, Pittsburgh

R. Timothy McCrum, Crowell & Moring LLP, Washington, D.C.

John D. Schell, Ph.D., Principal Scientist, Toxicology & Mechanistic Biology, Exponent, Houston

[Back to Top](#)

[Program Schedule](#)

All times Eastern

12:30 p.m. Program Begins

2:00 p.m. Adjournment

Total 60-minute hours of instruction: 1.5; total 50-minute hours, 1.8. For more information on CLE credits for a particular jurisdiction, click on the "Mandatory CLE Credit" link in the box titled, "Course Details," at the top left of this web page.

[Back to Top](#)

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Eastern 12:30 pm " 2:00 pm  
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Mountain 10:30 am " 12:00 pm  
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Alaska 8:30 am " 10:00 am  
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[Back to Top](#)

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